

Amendments to the Specification:

Please amend the specification as follows:

Please replace paragraph 0006 with the following rewritten paragraph:

the brake device includes a fluid pressure brake, a wheel-cylinder pressure passage, an on-demand brake pressure passage, and a brake reaction torque detecting means (or detector). The fluid pressure brake applies fluid pressure brake torque to a wheel. The wheel-cylinder pressure passage is fluidically connected with the fluid pressure brake to provide the fluid pressure brake with wheel-cylinder pressure to generate the fluid pressure brake torque. The on-demand brake pressure passage is fluidically connectable with the wheel-cylinder pressure passage to determine on-demand brake torque. The brake reaction torque detecting means detects brake reaction torque inputted to the fluid pressure brake. The wheel-cylinder pressure modulator valve is fluidically connected with the wheel-cylinder pressure passage and the on-demand brake pressure passage. The wheel cylinder pressure modulator valve is capable of modulating the wheel-cylinder pressure so that the fluid pressure brake torque can be decreased based on the brake reaction torque and the on-demand brake torque. The brake reaction torque detector includes a machine-side cylindrical case with a mechanical a working arm that is provided swingably relative to a vehicle body member so that the brake reaction torque of the fluid pressure brake can be changed into a displacement in a swing movement of the working arm so as to apply the brake reaction torque to a valve of the wheel-cylinder pressure modulator valve. The vehicle body member is formed with an on-demand brake fluid pressure chamber fluidically connected with the on-demand brake pressure passage, a wheel-cylinder fluid pressure chamber is fluidically connected with the wheel-cylinder fluid passage, and a return fluid pressure chamber is fluidically connected with a return passage. An orifice is provided in a first communicating fluid pressure passage between the on-demand brake fluid pressure chamber and the wheel-cylinder fluid pressure chamber. The wheel-cylinder pressure modulator valve is provided in a second communicating fluid pressure passage between the wheel-cylinder fluid pressure chamber and the return fluid pressure chamber. The wheel-cylinder pressure modulator valve has a mechanical feedback mechanism for modulating the wheel cylinder fluid pressure so that a sum torque of the brake reaction torque applied through the working arm in the

opening direction and the fluid pressure brake torque due to the wheel cylinder fluid pressure in the opening direction can be balanced with the on-demand brake torque due to an on-demand brake fluid pressure generated in the on-demand brake pressure passage.

Please replace paragraph 0007 with the following rewritten paragraph:

Therefore, in the brake device of the present invention, the brake fluid pressure can be decreased with a value proportional to the reaction force inputted to the fluid pressure brake. Accordingly, when the friction coefficient between the rotator and the braking means is high and the brake force applied from the braking means to the rotator is large, its reaction force becomes larger, brake fluid pressure to be decreased becomes larger by that amount. On the other hand, when the friction coefficient between the rotator and the braking means is small and the brake force applied from the braking means to the rotator is small, its reaction force becomes smaller, the fluid pressure to be decreased becomes smaller by that amount. In other words, in the fluid pressure brake, the brake fluid pressure to be decreased is mechanically determined according to a value of the reaction force, so that the variation in the brake force applied to the wheel can be suppressed regardless of the variation in the friction efficient between the rotator and the braking means.